CLAIMS:

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1.	Method for generating a key identifying a recording medium comprising code
words, the method comprising the steps of	
-	determining a control point in a block of input words where the block of input
words can be altered by an alteration.	
-	for each alteration of a group of N possible alterations determining, between a
group of cod	e words in a first track and a group of code words in a second track which is
adjacent to a	third track which is adjacent to the first track, a crosstalk value representing the
	fecting the third track corresponding to the alteration.
<u>-</u>	Selecting an optimum alteration, where the optimum alteration is that
alteration from the group of N alterations which has a lowest cross talk value,	
-	Altering the block of input words using the optimum alteration.
· _	encoding the altered block of input words into code words using a channel
code	
	teration is comprised in the key identifying the recording medium
2.	Method for generating a key identifying a recording medium comprising code
words, the method comprising the steps of	
-	determining a control point in a block of code words where the block of code
words can be altered by an alteration.	
-	for each alteration of a group of N possible alterations determining, between a
group of co	de words in a first track and a group of code words in a second track which is
adjacent to	a third track which is adjacent to the first track, a crosstalk value representing the
cross talk affecting the third track corresponding to the alteration.	
•	Selecting an optimum alteration, where the optimum alteration is that
alteration from the group of N alterations which has a lowest cross talk value,	
	Altering the block of code words using the optimum alteration.
where the	alteration is comprised in the key identifying the recording medium

- 3. Method generating a key identifying a record carrier comprising code words as claimed in claim 1 characterized in that the control point is a bit insertion point.
- Method for generating a key identifying a record carrier comprising code words as claimed in claim 2

 characterized in that the control point is a code word replacement point.
- 5. Method for generating a key identifying a record carrier comprising code
 words as claimed in claim 1, 2, 3 or 4 characterized in that a crosstalk value is determined
 calculating a digital sum value of an exclusive NOR operation performed bitwise on the
 group of code words in the first track and the group of code words in the second track.
- 6. Method generating a key identifying a record carrier comprising code words as claimed in claim 1 or 2, characterized in that the group of code words in the first track is limited to a section of the first track and that the group of code words in the second track is limited to a section of the second track and that the section of the first track is aligned perpendicular to a reading direction of the first track with the section of the second track.

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7. Method for generating a key identifying a record carrier comprising code words as claimed in claim 5, characterized in that the bitwise exclusive NOR function includes a weighing function reflecting a physical distance.

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- 8. Encoder for generating a key identifying a record carrier comprising code words while encoding a block of input words into a block of code words using a channel code for a recording medium comprising tracks for storage of the block of code words comprising coding means for encoding the block of input words into a block of code words characterized in that the encoder further comprises
- Control point alteration means with an input for receiving a data block and an output connected to the encoding means where the control point alteration means is operative to determine a control point in the data block at the input where the data block can be altered and to alter the control point based on an alteration instruction received on a alteration

instruction input.

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- crosstalk determination means with an input connected to the output of the encoding means and an output, operative to determine a first crosstalk value for a first control point alteration and a second crosstalk value for a second control point alteration,
- Selection means with an input connected to the output of the crosstalk determination means and an output connected to the alteration instruction input operative to select a control point alteration corresponding to the lowest crosstalk value of the first crosstalk value and the second crosstalk value
- 9. Encoder according to claim 8, characterized in that the crosstalk determination means is operative to process a group of code words in a first track of the recording medium and a group of code words in a second track of the recording medium which is adjacent to a third track of the recording medium which is adjacent to the first track of the recording medium when determining a crosstalk value representing the cross talk affecting the third track.
 - 10. Recording device comprising the encoder as claimed in claim 8 or 9
- 11. Recording medium comprising tracks comprising a block of code words,

 20 characterized in that the block of code words comprises a first block in a first track and a

 control point corresponding to the first block, the control point having a value, where the

 value is based on a cross talk between the first data block in a first track and a second data

 block in a second track, where the second track is adjacent to a third track which is adjacent

 to the first track and where a set of control points form a key identifying the recording

 medium.
 - 12. Recording medium as claimed in claim 11, characterized in that the recording medium has a track pitch between the tracks and that the track pitch varies locally on the recording medium
 - 13. Recording medium as claimed in claim 11, characterized in that the recording medium has a track pitch between the tracks and that the track pitch is smaller than a minimum track pitch accepted by a playback device when no control points are comprised by the recording medium.

14. Playback device for playing back a recording medium as claimed in claim 11, characterized in that the playback device comprises verification means for verifying the key identifying the recording medium

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- 15. Playback device as claimd in claim 14 characterized in that the verification means comprises key retrieval means for retrieving a key from the recording medium, data retrieval means for retrieving data from the recording medium and recalculation means for recalculating control points based on a cross talk between a first block of data retrieved from a first track and a second block of data retrieved from a second track, where the second track is adjacent to a third track which is adjacent to the first track and comparison means for comparing the recalculated control points and the key retrieved by the key retrieval means..
- 16. Playback device as claimed in claim 15, characterized in that the playback
 device comprises an optical pick-up comprising at least two read-out spots for simultaneously reading a first track and a second track which is adjacent to a third track which is adjacent to the first track.
- 17. Playback device as claimed in claim 15, characterized in that the playback
 device comprises an optical pick-up comprising a single read-out spot for simultaneuously
 reading at least two adjacent tracks
 - 18. Playback device as claimed in claim 17, characterized in that the single readout spot is a normal read-out spot enlarged by defocussing the normal read-out spot

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19. System for copy rights control comprising a recording medium, a server for providing identification information, a play back device comprising verification means for identifying a recording medium based on identification information provided by the server and a key on the recording medium, characterized in that the verification means comprises key retrieval means for retrieving a key from the recording medium, data retrieval means for retrieving data from the recording medium and recalculation means for recalculating control points based on a cross talk between a first block of data retrieved from a first track and a second block of data retrieved from a second track, where the second track is adjacent to a third track which is adjacent to the first track and comparison means for comparing the

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recalculated control points and the key retrieved by the key retrieval means.

20. System for copy right control as claimed in claim 19 characterized in that the recording medium has a track pitch between the tracks and that the track pitch varies locally on the recording medium in a way unique to a production batch of recording media.